PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

International application No.	Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
Applicant DUPONT CANADA INC. This international Search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Search Report consists of a total of	755-314/DPC	ACTION	as well as, where applicable, item 5 below.
Applicant DUPONT CANADA INC. This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	International application No.	International filing date (day/mont	th/year) (Earliest) Priority Date (day/month/year)
DUPONT CANADA INC. This international Search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 16. A copy is being transmitted to the international Bureau. This international Search Report consists of a total of Seets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With repart to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box II). 3. Unity of invention is lacking (see Box III). 4. With regard to the title, The text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings, a. the figure of the drawings to be published with the abstract is Figure No	PCT/CA2004/000441	24/03/2004	25/03/2003
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b. none of the figures is to be published with the abstract.			

International application No.

INTERNATIONAL SEARCH REPORT

PCT/CA2004/000441

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An electroconductive integrated substrate and a process of producing the same, which comprises a porous conductive gas diffusion layer (15) having large number of pores with significant gas permeability, and a gas impermeable electroconductive flow field plate (5) having landing surfaces laminated on the surface of gas diffusion layer and integrally bonded to thereto by the molten composite from the landing surface. There is provided a process for joining the gas diffusion layer to a flow field plate in an electrochemical cell. The process comprises the step of welding the landing surface of the flow field plate to the gas diffusion layer using resistance welding.

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International Application No PCT/CA2004/000441

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M8/02 B23K11/00

C09J5/06

C25B9/00

B23K20/00

B29C65/44

B29C65/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

CO9J C25B H01M B29C IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C.	DOCUMENTS	CONSIDERED	TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	GB 2 326 017 A (* MOTOROLA INC) 9 December 1998 (1998-12-09) page 5, line 15 - page 7, line 8	1-12
X	US 5 733 678 A (LEDJEFF ET AL) 31 March 1998 (1998-03-31) column 1, line 58 - column 3, line 33 column 7, line 41 - column 9, line 8	1-12
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l v	Further documents are listed in the	continuation of box C.

Patent family members are listed in annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or other means
- document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled
- "&" document member of the same patent family

Date of malling of the international search report

Date of the actual completion of the international search

18 April 2005

27/04/2005 Authorized officer

Name and mailing address of the ISA

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Form PCT/ISA/210 (second sheet) (January 2004)

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International Application No
PCT/CA2004/000441

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Dolovont to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	EP 1 189 297 A (MITSUI TAKEDA CHEMICALS, INC) 20 March 2002 (2002-03-20) paragraphs '0006! - '0013!, '0035! - '0041!	5
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Information on patent family members

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